

Update on the TPH Investigation at the Combined Site in Parcel B (CAA-21, CAA-22, AOC-46-A, and AOC-46-B)

Hunters Point Naval Shipyard BCT Meeting

1/23/2014

Presentation Outline



- **Summary of Tasks Completed to Date**
- **Presentation of Investigation Results to Date**
- **Proposed Step-Out Sampling Locations**
- **Schedule Update**

Summary of Tasks Completed to Date



- **Task 1: Refine the extent of remaining TPH/PAH contamination in soil within the Combined Site**
 - 40 borings advanced between 12/2 and 12/10 to up to 40 feet bgs
 - 138 soil samples analyzed for TPH and a subset for PAHs

- **Task 2: Evaluate potential TPH migration from the Combined Site to San Francisco Bay**
 - 13 pore water samples collected between 12/9 and 12/12 via Hydropunch and analyzed for TPH
 - Locations spaced about 50 feet apart, about 1 foot into the sediment

Presentation of Investigation Results to Date



- New data were mapped alongside historical data by depth range
- Data were mapped to determine if areas of contamination are adequately delineated or if additional step-out samples should be collected

Preliminary Observations:

- Clean backfill between 0 and at least 8 feet bgs has not been recontaminated (i.e., exceeding soil action levels) by deeper contamination (see 0-10' bgs TPH in soil map)
- TPH contamination is predominantly in the 10-15' bgs range
- PAH contamination is non-contiguous and limited in extent
- Pore water samples show TPH PAL exceedances occurring at two locations on the bay side of the quay wall
- Soil inland of the one of the pore water samples does not appear to be a continuing source of contamination

Proposed Step-Out Sampling Locations



PAH Results:

- Data collected to date adequately delineate the extent of PAH contamination
- No additional step-out sampling is recommended for PAHs

TPH Results:

- 9 step-out borings are proposed to support delineation of TPH-d
- Soil samples will target 10 and 25 feet bgs along the bay side of Building 130 to delineate the southern extent of contamination

Pore Water Results:

- Collection of 2 additional pore water samples on the bay side of the quay wall is proposed to bound the limits of the areas exceeding the Total TPH action level
- 1 soil boring is proposed at IR24B102 in order to collect samples at 10, 15, 20, and 25 feet bgs
 - needed to determine if contaminated soil is present on the bay side of the wall

Note: Additional step-out samples may be collected during the second sampling event, if warranted, based on field (visual) observations or preliminary laboratory results.

Schedule Update



Work Plan Strategy Mtg with WB & SFDPH	July 31, 2013
Submitted Final Work Plan	Nov 21, 2013
Primary Sample Collection	Dec 2 - Dec 12, 2013
Present Results at BCT Mtg	Jan 23, 2014
Step-Out Sample Collection	Feb 2014
Submit Draft Tech Memo	Apr 2014
Submit Final Tech Memo	May 2014

- **Note: the tech memo will include summary of the investigations results, delineation of contamination, updated CSM, evaluation of closure alternatives, recommended approach to Combined Site closure**